

DIGITAL VIDEO RECORDER USING CIRCULAR FILE  
MANAGEMENT AND METHOD OF OPERATION

ABSTRACT OF THE DISCLOSURE

There is disclosed a digital video recorder that uses a  
5 circular file management system to efficiently manage time-shifted  
viewing a live video broadcast television program. There is  
provided for use in the digital video recorder, an apparatus for  
performing time-shifted viewing of an incoming television program  
being received by the digital video recorder. The apparatus  
10 comprises a controller capable of creating a data file having a  
defined maximum size on a storage disk of the digital video  
recorder and capable of causing video data associated with the  
incoming television program to be stored sequentially in the data  
file from a first location to an Nth location. The controller, in  
15 response to a determination that the video data has been stored in  
the Nth location, causes a next received video data to be stored in  
the first location.